

-Five minutes of silence

-Put your homework on your desk

Warmup: Simplify the following expressions

$$\begin{array}{l}
 1. \quad 3a - 1(5a - 7) + 4 \\
 \quad \downarrow \\
 \quad 3a - 5a + 7 + 4 \\
 \quad \quad -2a + 11 \\
 \quad \quad \text{or} \\
 \quad \quad 11 - 2a
 \end{array}$$

$$\begin{array}{l}
 2. \quad 7(x+6) - 2(2x+3) \\
 \quad 7x + 42 - 4x - 6 \\
 \quad \boxed{3x + 36}
 \end{array}$$

Homework Check:

9. $6a + 60$

10. $32 + 8x$

33. $-20 - d$

34. $5 + 4y$

61. $-3x + y + 11$

85. $45d + 26$

62. $n - 4m + 1$

63. $3h^2 - 11h - 3$

87. $24 + 2t$

64. $ab + 2ab^2$

71. $33x + 22$

72. $25 + 10y$

73. $35n - 63$

Heart Method

$$\frac{2x + 4}{2}$$

$$x + 2$$

$$\frac{7x + 32}{4}$$

$$\frac{7}{4}x + 8$$

$$\frac{4x + 17}{2}$$

$$2x + \frac{17}{2}$$

Simplifying Mystery

